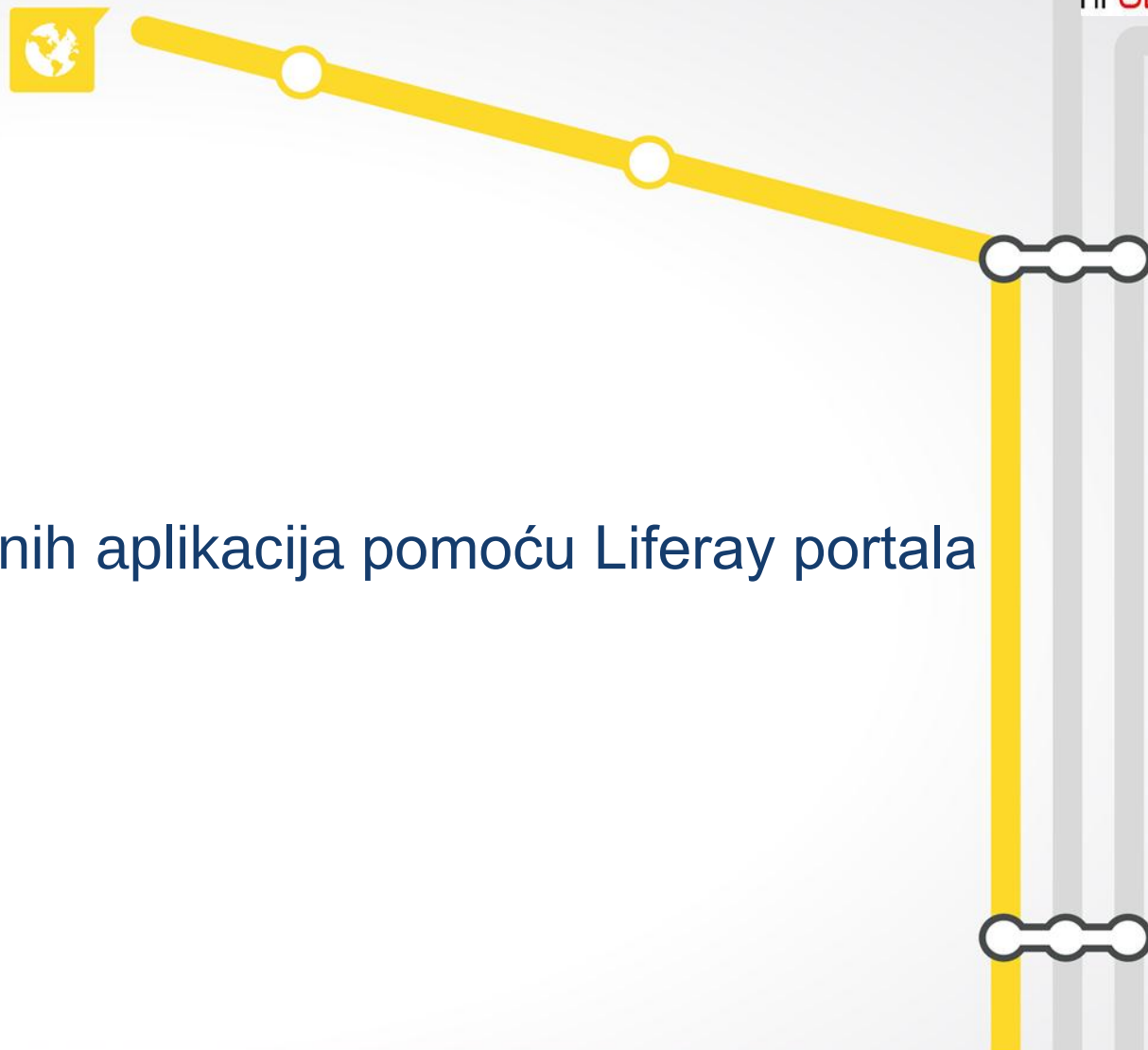




Integracija poslovnih aplikacija pomoću Liferay portala

Ivica Čardić

Igor Bešlić

Perzej d.o.o., Liferay Inc.

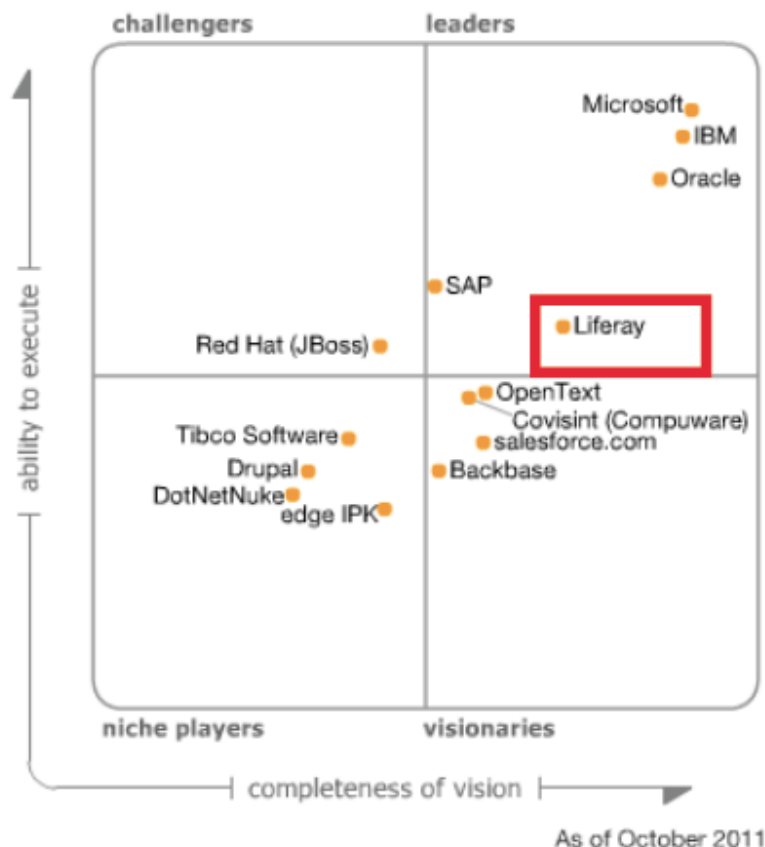
30. 05. 2012.

Konferencija HROUG 2012

- Liferay je enterprise open source portal:
 - Sadrži elemente za razvoj web stranica/aplikacija
 - CMS(sistem za upravljanje sadržajem)
 - Kolaboracijske alate
 - Sistem za upravljanje dokumentima
 - Upravljanje korisnicima
 - Upravljanje sigurnošću
 - Razvojna platforma za razvoj vlastitih web rješenja
 - Liferay Marketplace

Liferay: Vodeća platforma

Najkorišteniji open source enterprise portal.



- Predvodnik u Gartner Magic kvadrantu (Horizontalni portali)
- U razvoju od 2000 godine
- Koristi se od strane Fortune 500 kompanija u raznim industrijama i use case-ovima
- Sjedište kompanije je u Los Angelesu
- Oko 350 zaposlenih
- Nekoliko ureda diljem svijeta
- Trenutna verzija je 6.1
- CE i EE verzije portala

Liferay klienti



Aktia

Alcampo

ANDORRA TELECOM



BARCLAYS

BASF
The Chemical Company



Carrefour

Camden



CatSalut
Servei Català de la Salut

中国移动通信
CHINA MOBILE



Comunidad de Madrid

Diputació Barcelona

edf

FAGOR

Fira Barcelona

cantabria.es

Fundamenta
Lakáskassza



GE Capital
Real Estate

Grupo Agbar

LAGUN ARO
SEGUROS

liberbank



MANDATUM LIFE

MAPFRE

MAVIR

movistar

ONO

Design Your Energy
OSAKA GAS

pullmantur

Reed Business Information

RSI

ROLEX

RSPCA

santalucia
SEGUROS

123
SESAME STREET

SOCIETE GENERALE

STOCKMANN

T-Mobile

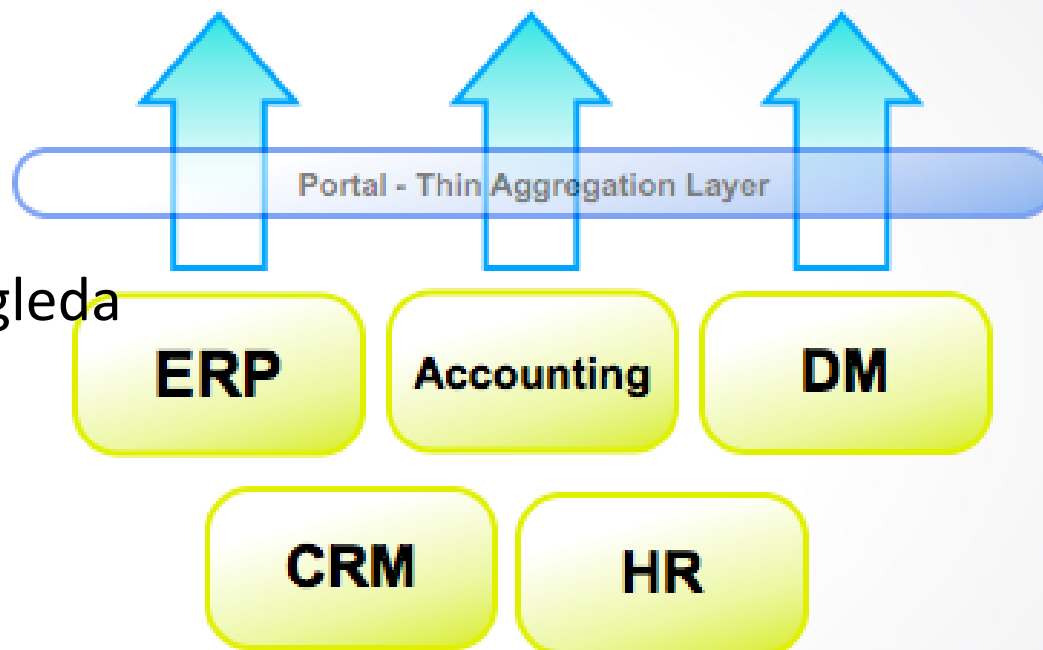
TMB
Transports Metropolitans
de Barcelona

Villogia
Bien dans ma ville

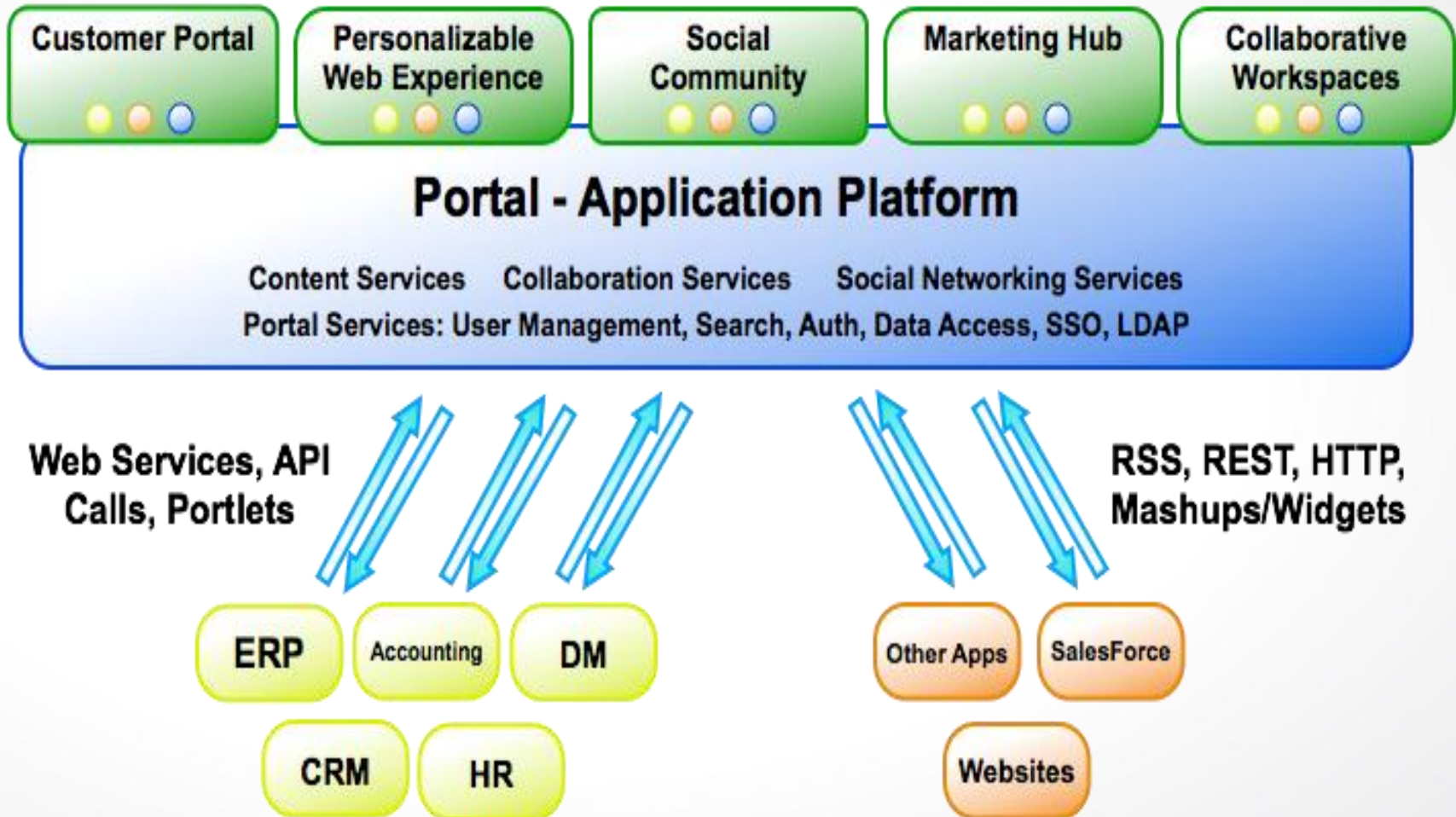
Volkswagen

YORK
UNIVERSITY
Realize the POSSIBLE

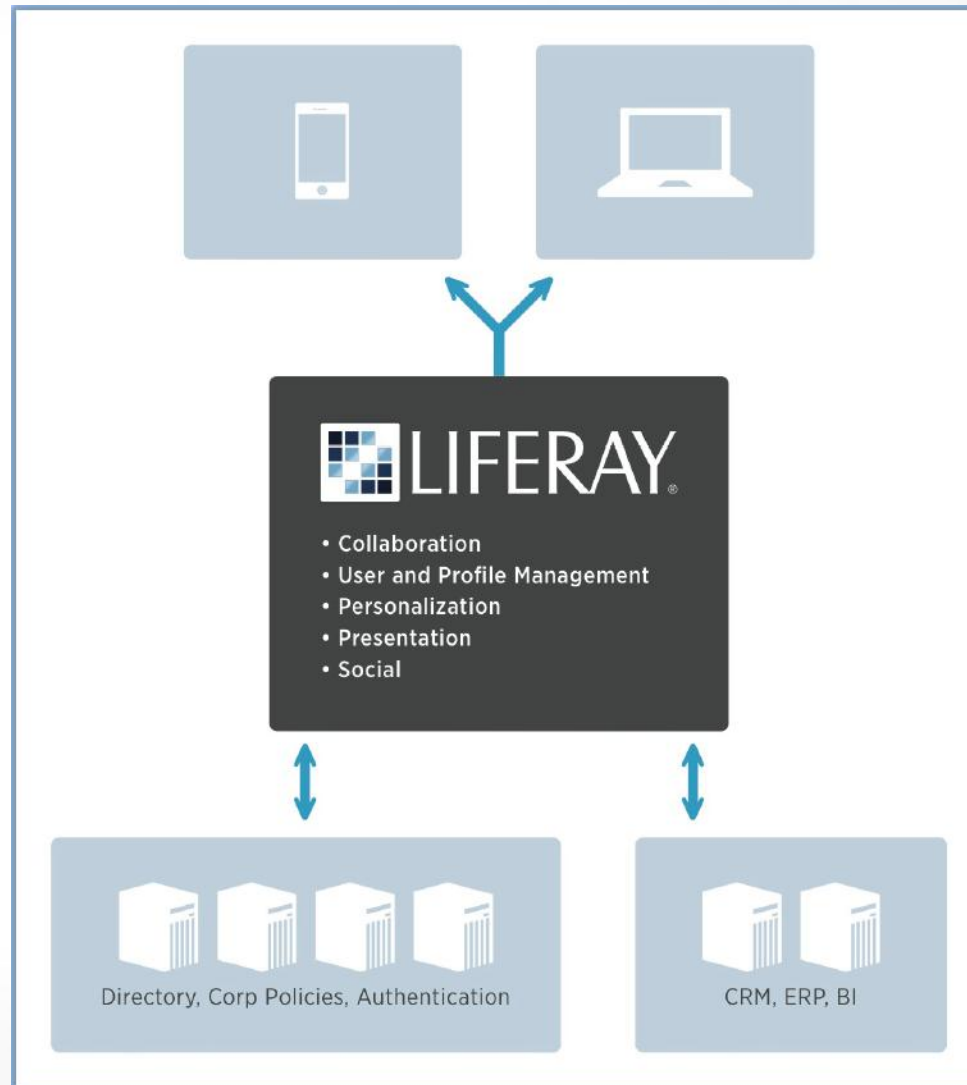
- Raspršenost aplikacija
- Više prijava
- Više profila
- Nema jedinstvenog izgleda
- Nema standarda
- Nema modularizacije





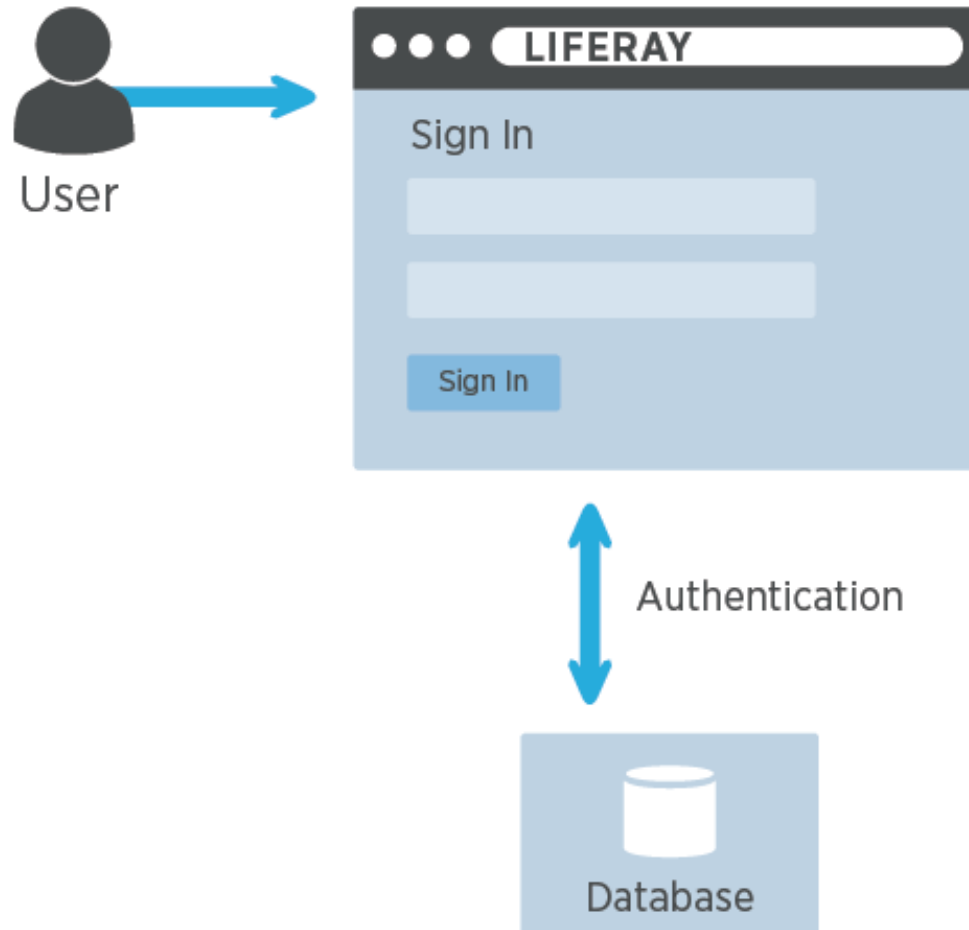


Portal kao platforma



- Identiteti(Autentifikacija)
- Prava(Autorizacija)
- Aplikacije

Integracija identiteta



Integracija identiteta

- Apache Directory Server
- Fedora Directory Server
- Microsoft Active Directory Server
- OpenLDAP
- Novell eDirectory
- ostali LDAP kompatibilni Serveri

Settings ?

✓ Your request processed successfully.

Authentication

[General](#) **LDAP** [CAS](#) [Facebook](#) [NTLM](#) [OpenID](#) [Open SSO](#)
[SiteMinder](#)

☒ Enabled
☒ Required

LDAP Servers

[Add](#)

Liferay Community LDAP Repository	↑ ↓ ✎ 🗑
Liferay Employee LDAP Repository	↑ ↓ ✎ 🗑

Import / Export

☒ Import Enabled
☒ Import on Startup Enabled
☒ Export Enabled

Password Policy

☒ Use LDAP Password Policy


liferay.com

Configuration

[General](#)
Authentication (Modified)
[Users](#)
[Mail Host Names](#)
[Email Notifications](#)

Identification

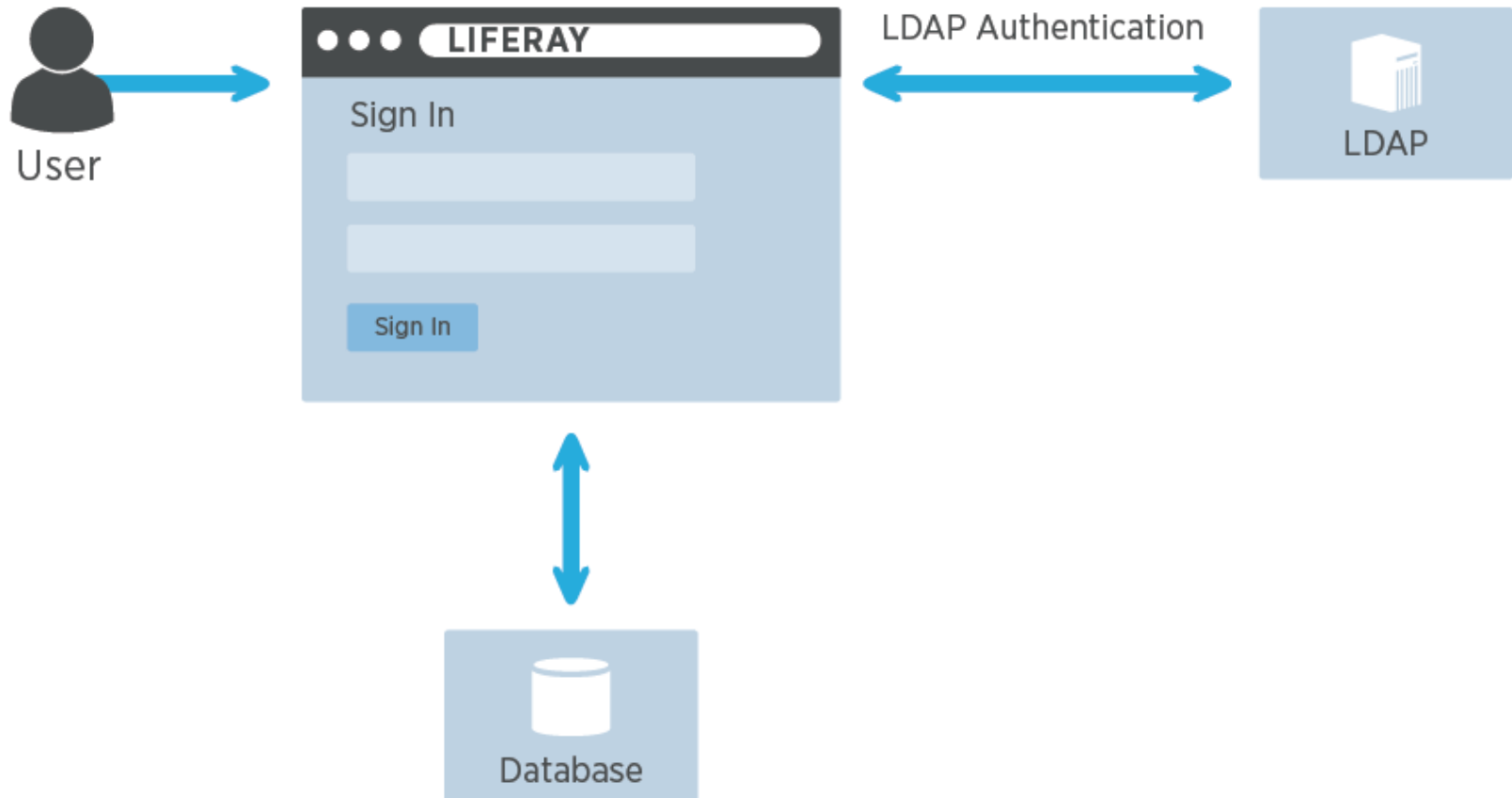
[Addresses](#)
[Phone Numbers](#)
[Additional Email Addresses](#)
[Websites](#)

Miscellaneous

[Display Settings](#)
[Google Apps](#)

[Save](#) [Cancel](#)

Integracija identiteta



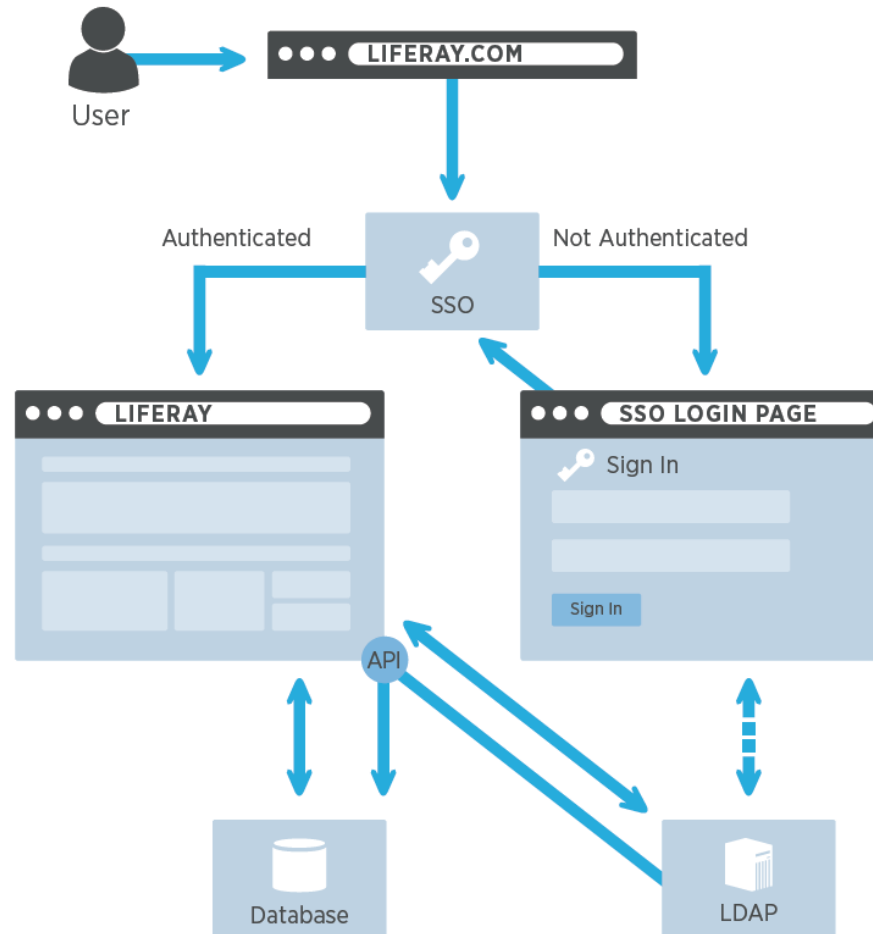
- 1.) Korisnik se prijavljuje
- 2.) Šalju se podaci LDAP Serveru
- 3.) Autentifikacija korisnika
- 4.) Sinkronizacija korisnika
- 5.) Upit prema LDAP-u
- 6.) Sinkronizacija grupa i prava
- 7.) Korisnik je prijavljen u Liferay sa sistemskim profilom



```
##  
## Authentication Pipeline  
##
```

```
auth.pipeline.pre=com.liferay.portal.security.auth.LDAPAuth  
#auth.pipeline.post=
```

Integracija Single Sign-On-a



Integracija Single Sign-On-a

- CAS
- NTLM
- Siteminder
- Open SSO
- OpenID
- Facebook

Settings ?

✓ Your request processed successfully.

Authentication

[General](#) [LDAP](#) [CAS](#) [Facebook](#) [NTLM](#) [OpenID](#) **Open SSO**

[SiteMinder](#)

☒ Enabled

☒ LDAP Import Enabled

Login URL ?

Logout URL ?

Service URL ?

Screen Name Attribute ?

Email Address Attribute

First Name Attribute

Last Name Attribute

Test OpenSSO Configuration


liferay.com

Configuration

[General](#)

Authentication (Modified)

[Users](#)

[Mail Host Names](#)

[Email Notifications](#)

Identification

[Addresses](#)

[Phone Numbers](#)

[Additional Email Addresses](#)

[Websites](#)

Miscellaneous

[Display Settings](#)

[Google Apps](#)

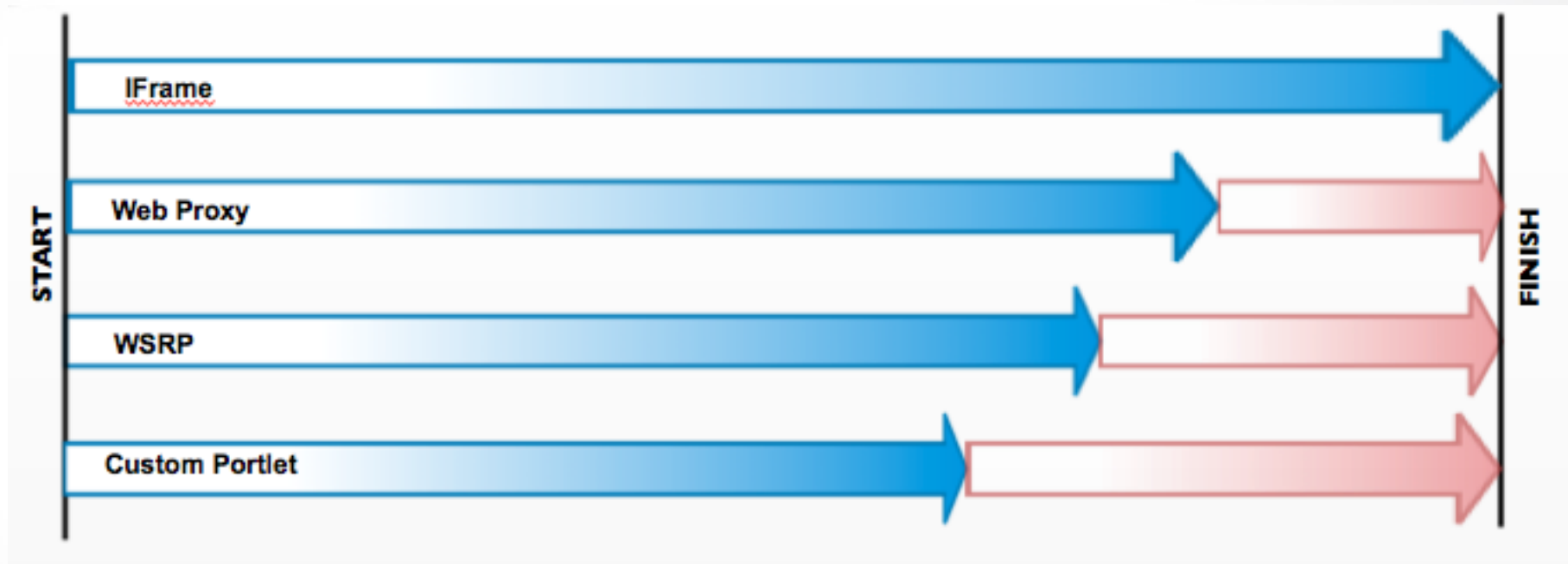
Save Cancel

Integracija Single Sign-On-a

```
##  
## Auto Login  
##
```

```
#  
auto.login.hooks=com.liferay.portal.security.auth.CASAutoLogin,com.liferay.portal.security.auth.FacebookAutoLogin,  
com.liferay.portal.security.auth.NtlmAutoLogin,com.liferay.portal.security.auth.OpenIdAutoLogin,  
com.liferay.portal.security.auth.OpenSSOAutoLogin,com.liferay.portal.security.auth.RememberMeAutoLogin,  
com.liferay.portal.security.auth.SiteMinderAutoLogin
```

Integracija poslovnih aplikacija



Integracija poslovnih aplikacija

	IFRAME	WEB PROXY	WSRP	FULL INTEGRATION
Key differences between Liferay's integration options				
Difficulty	Easy	Easy	Medium	Complex
Authentication Options	HTTP Basic, Form	HTTP Basic, NTLM	Custom	Native
Authorization Options	None	None	Custom	Native
Customizations	None	Medium	None	Easy
Resource Usage	Low	Low to Medium	High	Low
Access to Liferay Artifacts	None	Low	High	High

Korištenje IFrame portleta

HomeEngineeringSalesAccountingHuman ResourcesProjects

liferay.comJoseph ShumSales

Summary

Joseph Shum



JOB TITLE General Manager, Liferay GmbH

Edit

Page Ratings

Your RatingAverage (1 Vote)

Invitation

Invite Friends

Friends

You have 2 friends.



Jorge Ferrer



Bryan Cheung

IFrame Portlet



Welcome, Joseph | Log Out | Employees | Admin | Support | About

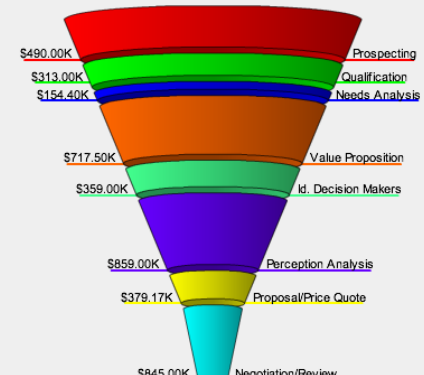
HomeAccountsContactsOpportunitiesActivitiesReportsDocumentsCasesCampaigns

Knowledge Base

My SugarSales PageMarketing PageSupport PageForecastAdd Sugar DashletsChange Layout

Pipeline By Sales Stage Q3

Pipeline total is \$4,117K

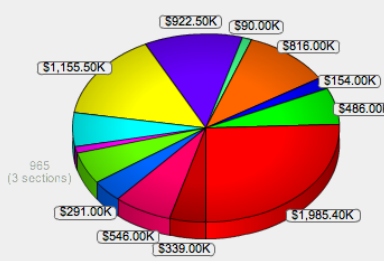


Sales Stage	Value
Prospecting	\$490.00K
Qualification	\$313.00K
Needs Analysis	\$154.40K
Value Proposition	\$717.50K
Id. Decision Makers	\$359.00K
Perception Analysis	\$859.00K
Proposal/Price Quote	\$379.17K
Negotiation/Review	\$845.00K

Opportunity size in \$1K

- Prospecting
- Qualification
- Value Proposition
- Id. Decision Makers
- Proposal/Price Quote
- Negotiation/Review

All Opportunities by Lead Source



Lead Source	Value
Cold Call	\$1,985.40K
Partner	\$816.00K
Existing Customer	\$486.00K
Public Relations	\$339.00K
Other	\$546.00K
Other	\$291.00K
Other	\$1,155.50K
Other	\$922.50K
Other	\$90.00K
Other	\$154.00K

Online Friends (1)



Jorge Ferrer

SettingsOnline Friends (1)

Korištenje IFrame portleta

IFrame Portlet - Configuration

Setup

Permissions

Sharing

Archive/Restore Setup

General

Source URL

http://trial.sugarcrm.com/avorm6439/index.php?module=Home&action=

☒ Relative to Context Path

Authentication

☒ Authenticate

You may use the tokens @email_address@, @screen_name@, and @user_id@ for the user name field and @password@ for the password field. These will be replaced at runtime with the current user's information.

Authentication Type

Form

Form Method

Post

User Name

Field Name	Value

Password

Field Name	Value

Hidden Variables

var1=hello;var2=world

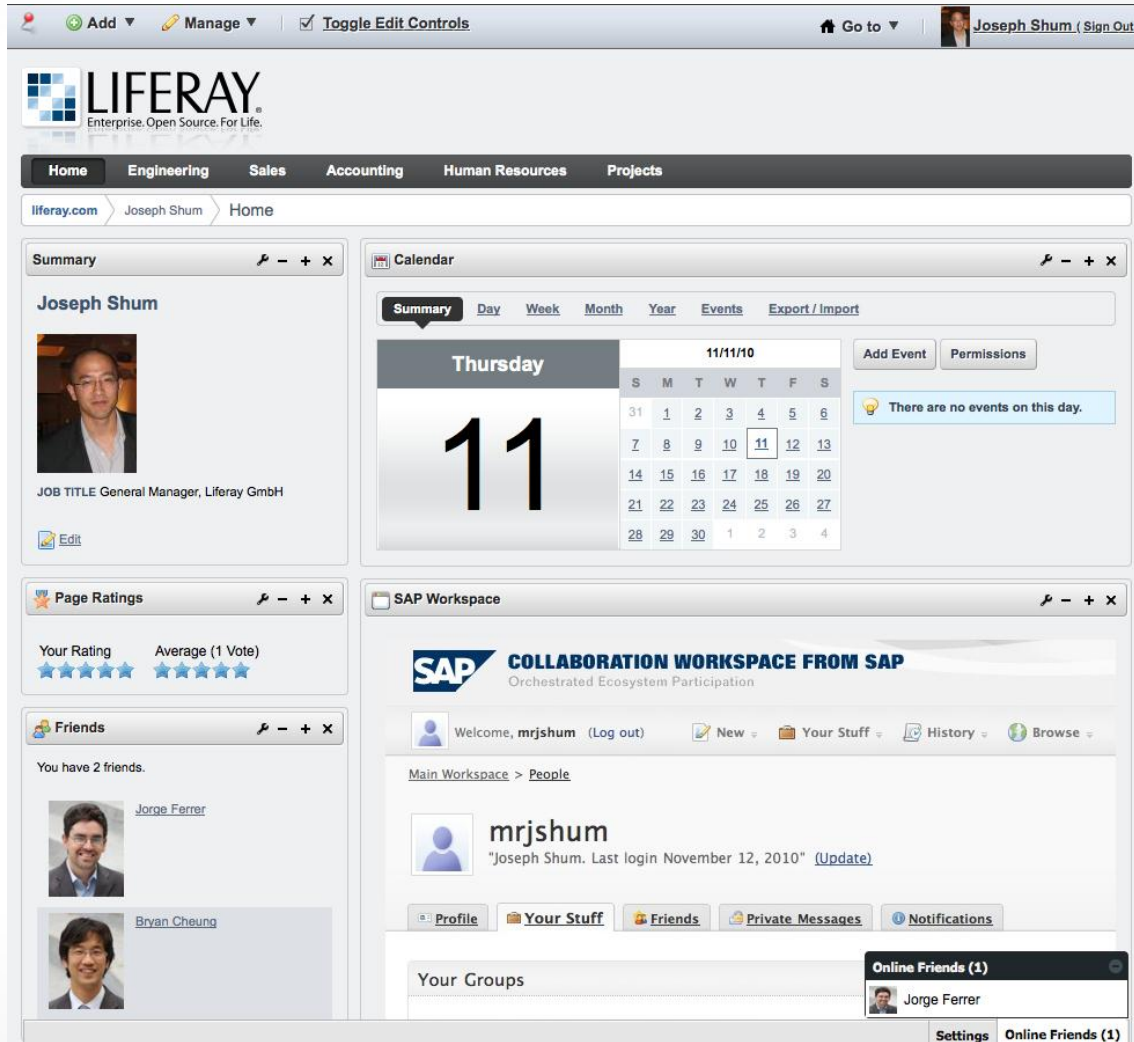
Advanced

HTML Attributes

alt=
border=0
bordercolor=#000000
frameborder=0
height-maximized=800
height-normal=800
hspace=0
loadas=

Save

Korištenje Web Proxy portleta

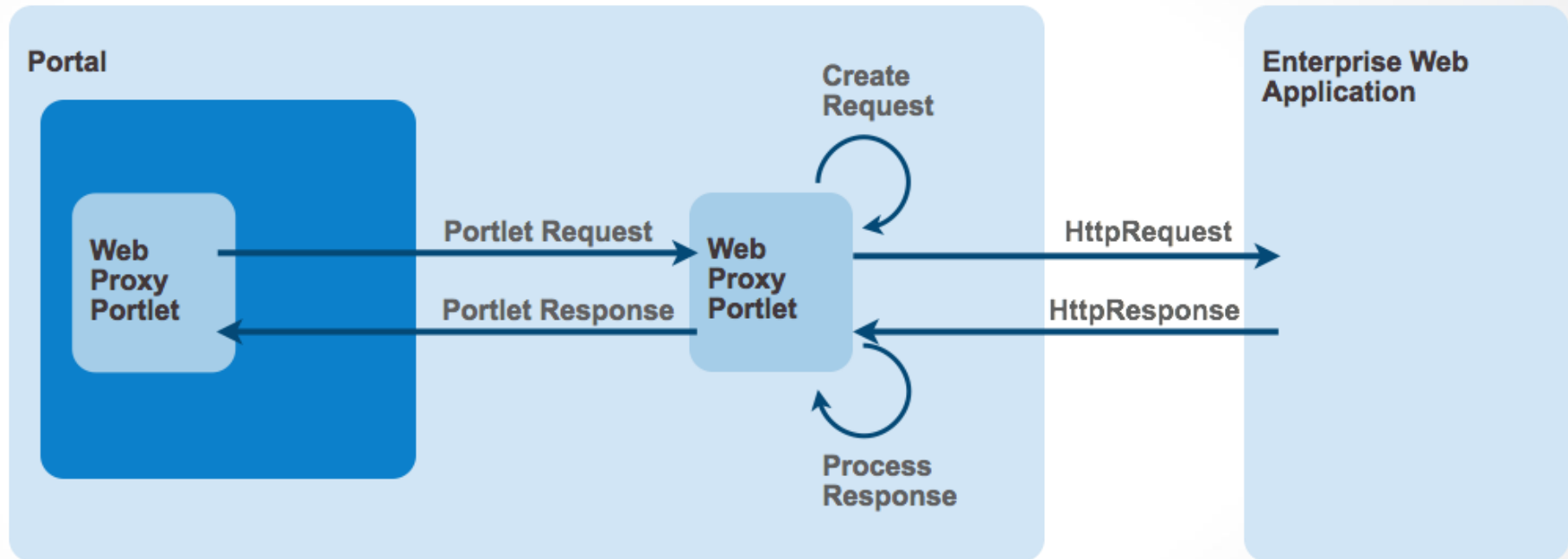


The screenshot displays a Liferay portal interface for user Joseph Shum. The top navigation bar includes links for Add, Manage, Toggle Edit Controls, Go to, and a user profile link (Joseph Shum, Sign Out). The main content area is divided into several sections:

- Summary:** Displays the user's profile picture, name (Joseph Shum), and job title (General Manager, Liferay GmbH). It includes an Edit button.
- Calendar:** Shows a calendar for Thursday, 11/11/10. The date 11 is highlighted. A message states: "There are no events on this day." Buttons for Add Event and Permissions are visible.
- Page Ratings:** Shows the user's rating (5 stars) and the average rating (1 vote).
- Friends:** Lists two friends: Jorge Ferrer and Bryan Cheung.
- SAP Workspace:** Displays the SAP Collaboration Workspace interface, including a welcome message, navigation links (New, Your Stuff, History, Browse), and a profile section for mrjshum (Joseph Shum, Last login November 12, 2010).

The bottom right corner shows a "Your Groups" section and an "Online Friends (1)" list with Jorge Ferrer.

Korištenje Web Proxy portleta



Korištenje Web Proxy portleta

Setup [Permissions](#) [Sharing](#)

 [Archive/Restore Setup](#)

URL

Scope (Regex)

Proxy Host

Proxy Port

Proxy Authentication

Basic ▾

Proxy Authentication Username

Proxy Authentication Password

Proxy Authentication Host

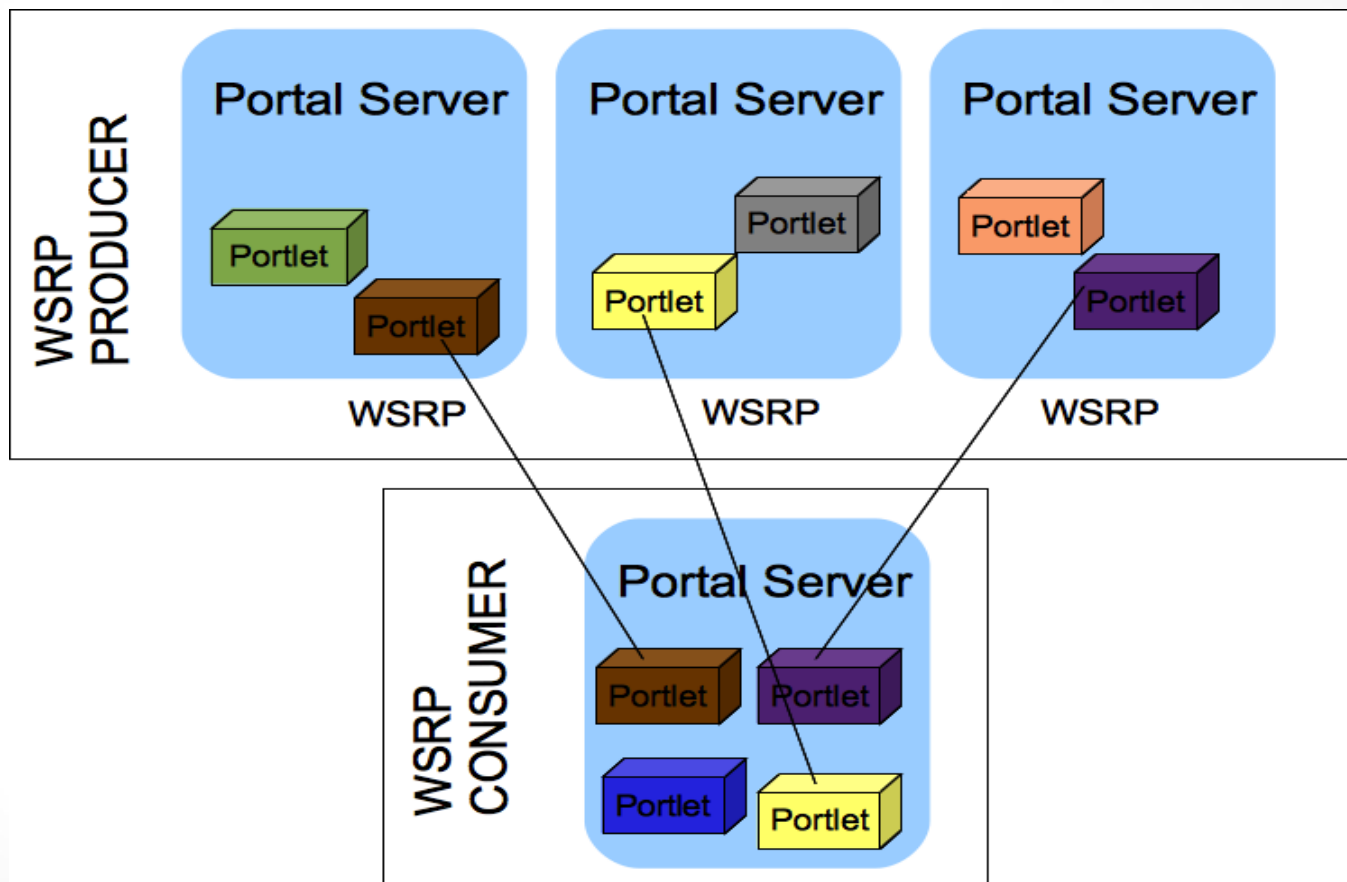
Proxy Authentication Domain

Stylesheet

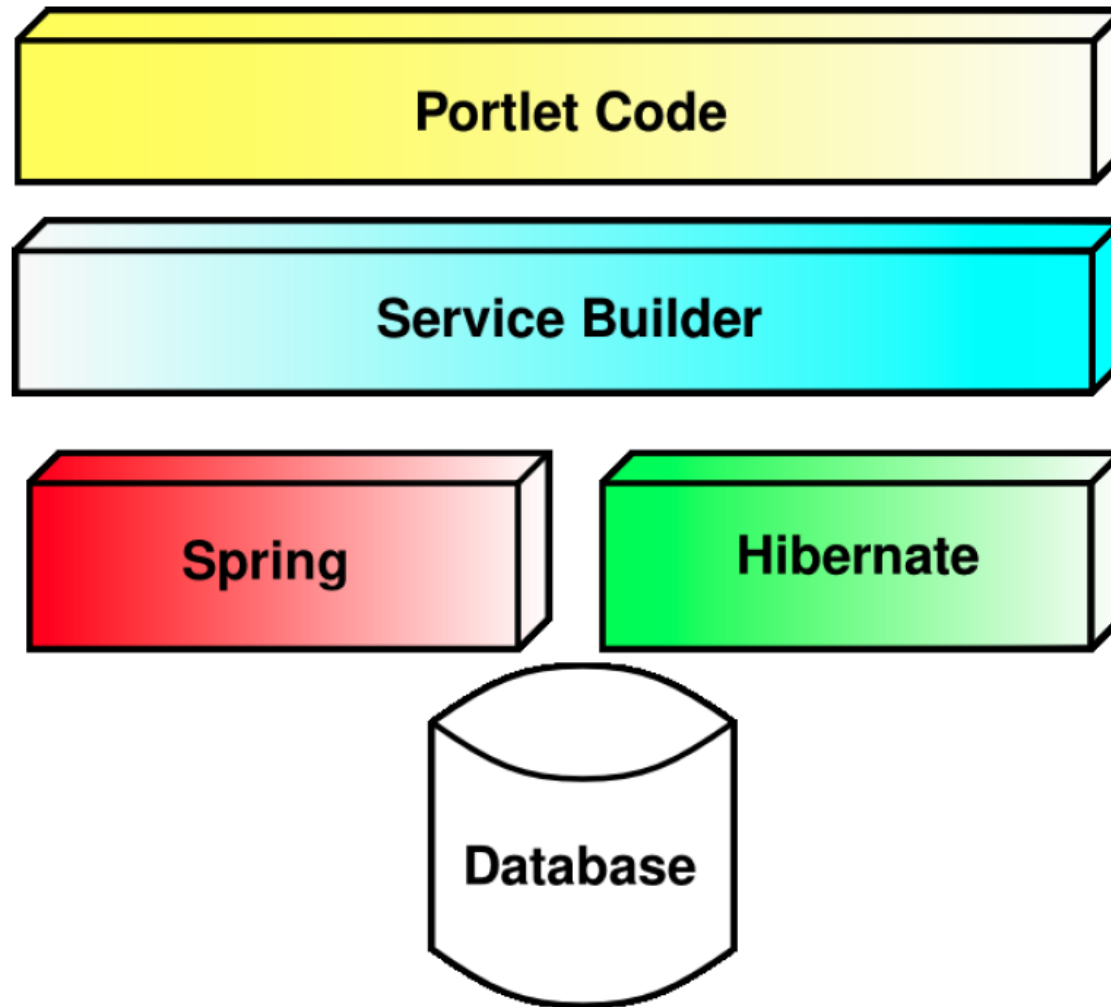
```
<?xml version="1.0" encoding="ISO-8859-1"?>
<xsl:stylesheet version="1.0"
xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
xmlns:java="java"
xmlns:bridge="java:org.portletbridge.portlet.BridgeFunctions"
extension-element-prefixes="bridge java">
</xsl:stylesheet>
```

Save

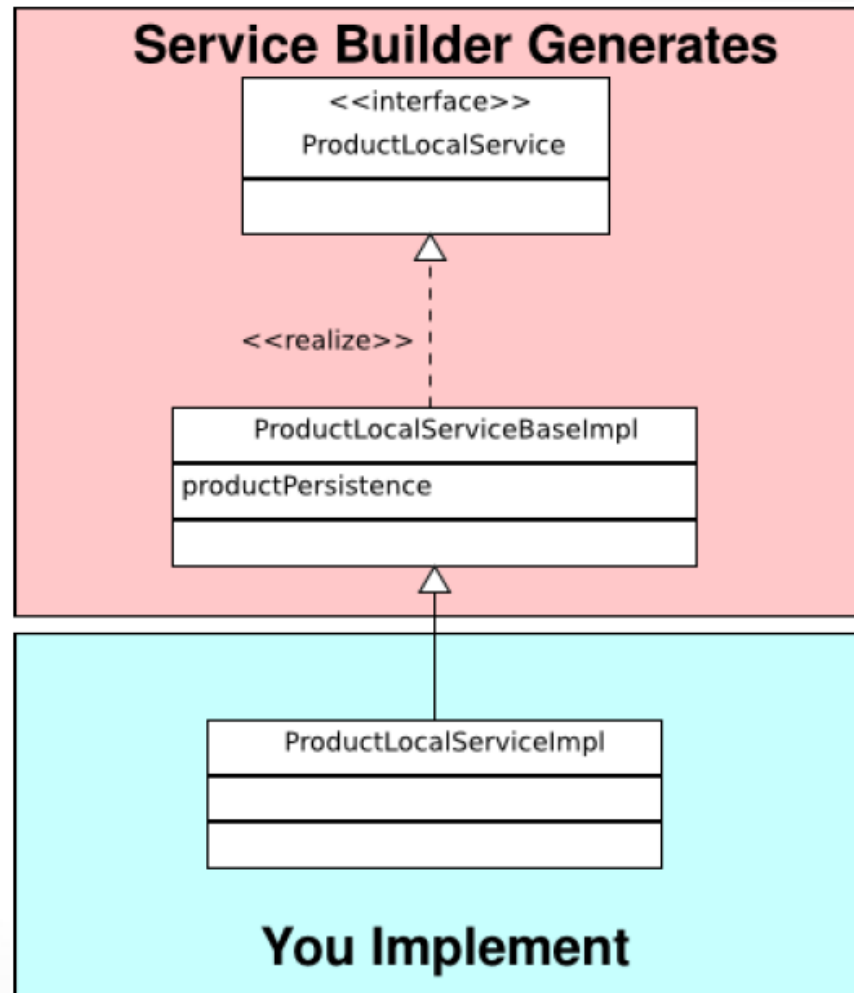
Korištenje WSRP portleta



Razvoj vlastitih portleta



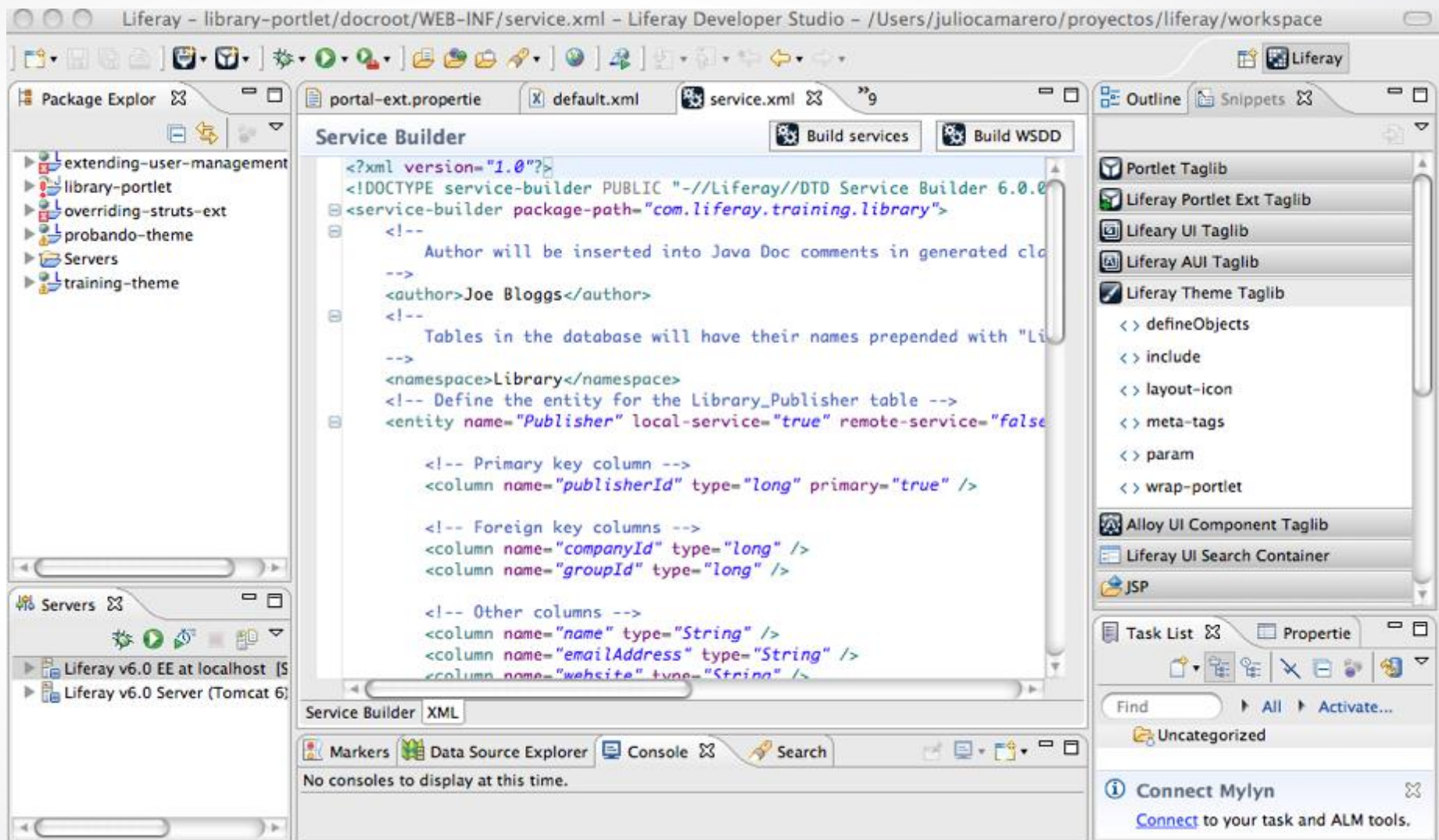
Razvoj vlastitih portleta



Razvoj vlastitih portleta



Razvoj vlastitih portleta



The screenshot displays the Liferay Developer Studio IDE interface. The main editor window shows the `service.xml` file for a custom portlet, titled "Service Builder". The XML content defines a service builder with the package path `com.liferay.training.library`. It includes comments and XML elements for defining a database entity named `Publisher`.

```
<?xml version="1.0"?>
<!DOCTYPE service-builder PUBLIC "-//Liferay//DTD Service Builder 6.0.0//EN" "http://www.liferay.com/dtd/liferay-6.0.0-ee/service-builder.dtd">
<service-builder package-path="com.liferay.training.library">
  <!--
    Author will be inserted into Java Doc comments in generated class
  -->
  <author>Joe Bloggs</author>
  <!--
    Tables in the database will have their names prepended with "Liferay_"
  -->
  <namespace>Library</namespace>
  <!-- Define the entity for the Library_Publisher table -->
  <entity name="Publisher" local-service="true" remote-service="false">
    <!-- Primary key column -->
    <column name="publisherId" type="long" primary="true" />
    <!-- Foreign key columns -->
    <column name="companyId" type="long" />
    <column name="groupId" type="long" />
    <!-- Other columns -->
    <column name="name" type="String" />
    <column name="emailAddress" type="String" />
    <column name="website" type="String" />
  </entity>
</service-builder>
```

The IDE interface includes several panels:

- Package Explorer:** Shows the project structure with folders like `extending-user-management`, `library-portlet`, `overriding-struts-ext`, `probando-theme`, `Servers`, and `training-theme`.
- Servers:** Lists the runtime environments, including `Liferay v6.0 EE at localhost` and `Liferay v6.0 Server (Tomcat 6)`.
- Outline:** Displays a list of portlet tags and components, such as `Portlet Taglib`, `Liferay Portlet Ext Taglib`, `Liferay UI Taglib`, `Liferay AUI Taglib`, `Liferay Theme Taglib`, `Alloy UI Component Taglib`, and `Liferay UI Search Container`.
- Task List:** Shows a list of tasks, including `Connect Mylyn` and `Uncategorized`.
- Console:** Displays the message "No consoles to display at this time."

Razvoj vlastitih portleta

ALLOY USERINTERFACE

[About](#) [FAQ](#) [Download](#) [Demos](#)



AutoComplete

AutoComplete allows users to select from a pre-defined list



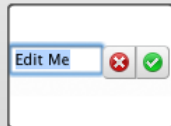
Charts

Charts allow you to present numeric data in interesting ways



Color Picker

This widget is useful for choosing colors and presenting their value



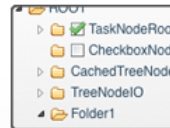
Editable

Editable allows for quick inline edits of content



Calendar

You can select from a localized calendar, including multiple dates



Treeview

A dynamic tree that supports drag and drop, ajax requests, checkboxes, and more

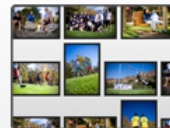


Image Gallery

Allow users to view an image gallery of your photos or even see them as a slideshow



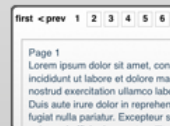
Dialog

Display information to a user in an inline dialog that can be dragged, stacked, or presented as a modal



Tabs

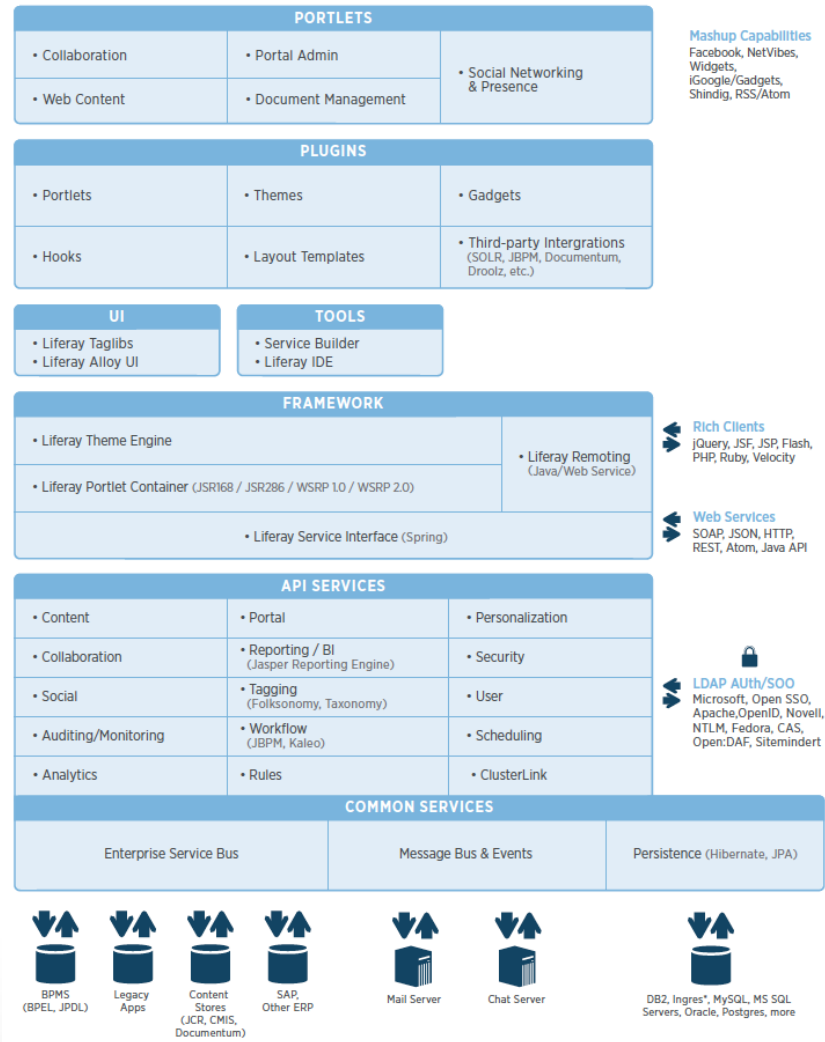
Present information in a tabbed view, connecting content with visible items.



Paginator

Easily paginate through a data set

Integracija poslovnih aplikacija



Hvala na posjetu!

Hvala na posjetu! Pitanja?

ivica.cardic@liferay.com

igor.beslic@liferay.com